Ontario Ministry of Northern Development and Mines
Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 412

LUTTERWORTH TOWNSHIP

HALIBURTON COUNTY

Compiled by the Staff of
the Regional Mineral Specialist's Office
Bancroft

LOCATION MAP

Scale: 1:1 013 760 or 1 inch=16 miles

88-05042/

NTS Number 31D/15

Mining Claim Map Number M.117

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1988: Lutterworth Township, Haliburton County: Ontario Geological Survey, Geological Data Inventory Folio 412 compiled by the staff of the Regional Mineral Specialist in Bancroft, 33p., 2 maps.

Original Compilation by: Mark Noakes, Jeff Coyle, Steve Charbonneau
Typist: Elizabeth Filyer
May 22, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

LUTTERWORTH TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 Map

Exploration Data Map 1 Map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	**20.116 8**	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	**2.589 988**	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	**28.349 523**	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	MN
2	Assessment Files Research Office, Toronto	Yes	MN
3	ODM General Index; 9 Volumes	Yes	MN
4	Catalogue of Airborne Geophysical Surveys (ODM)	N/A	MN
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	MN
6	ODM Industrial Mineral Reports	Yes	MN
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)		
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)		
9	Newspaper Clippings File	Yes	MN
10	GSC Index to Publications	Yes	MN
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	MN
12	OGS Index Maps	Yes	MN
13	Source Mineral Deposit Records (O.G.S.)	Yes	MN
14	Author - Subject Articles File	Yes	MN
15	Miscellaneous Papers: ODM & OGS	Yes	MN
16	ODM Geological Circulars: OGS Study Series	Yes	MN
17	ODM Preliminary Reports: ODM Bulletins	Yes	MN
18	ODM – OGS Open File Reports	Yes	MN
19	OGS Northern Ontario Engineering Geology Terrain Studies	N/A	MN
20	OGS Aggregate Resources Inventory Papers	N/A	MN
21	OGS Mineral Potential Maps	Yes	MN
22	OGS Guidebook Series	Yes	MN
23	OGS Mineral, Policy Background Papers	No	MN
24	OGS Occasional Papers	No	MN
25	ODM Papers	Yes	MN
26	OGS/OMNR Annual Statistical Reports	Yes	MN
27	OGS Industrial Mineral Background Papers	No	MN
28	OGS Geophysical Reports	N/A	MN
29	DEMR/National Mineral Inventory Files	Yes	MN

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
▲ ap. . . . . .Apatite
△ arg . . . . . Argentite
▲ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
▲ ba. . . . . .Barite
△ be. . . . . Beryl
△ Bi. . . . . Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
▲ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
▲ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
▲ cor . . . . . Corundum
▲ dol . . . . . Dolomite
▲ ep. . . . . Epidote
△ ery . . . . . Erythrite
▲ fel . . . . . .Feldspar
▲ fl . . . . . .Fluorite (flurospar)
△ fu. . . . . .Fuchsite
▲ gn. . . . . Galena
▲ gt. . . . . Garnet
△ goe . . . . . .Goethite
△ Au . . . . . Gold
▲ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
▲ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
▲ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
▲ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
▲ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
▲ mi . . . . . Mica
△ ml . . . . . Millerite
▲ mo . . . . . Molybdenite
▲ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite
▲ Ni. . . . . Nickel
▲ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
▲ q . . . . . Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
▲ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
▲ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite
▲ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
th. . . . . .Thorite
▲ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
▲ ti . . . . . Titanite
△ Ti. . . . . Titanium
▲ tour . . . . . .Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
▲ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
▲ Zn . . . . . .Zinc
▲ zr. . . . . Zircon

ADDITIONAL MINERAL ABBREVIATIONS
(refer to next page)

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

METALS AND MINERALS REFERENCES LIST

ADDITIONAL MINERAL ABBREVIATIONS

▲all.....Allanite
▲amph.....Amphibole
▲bi.....Biotite
▲chl.....Chlorite
▲chon.....Chondrodite
▲camph.....Clinoamphibole
▲cpx.....Clinopyroxene
▲dp.....Diopside
▲fibo.....Fluoborite
▲gnes.....Gneiss
▲stgr.....Granite
▲lst.....Limestone
▲per.....Peristerite
▲pyx.....Pyroxenite
▲qv.....Quartz Vein
▲trem.....Tremolite
▲wed.....Weddellite
▲wil.....Wilsonite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Arbuckle (Lot 22, Con IV)	mag,U			OGS MAP: P.2952 OGS OFR 5601 p.117
B	Black Lake (Lot 26, Con VII)	st,gt,gnes			OGS MAPS: P.2952, P.2566 OGS OFR 5425 pp.106,107 OFR 5601 pp.132,133
C	Bob Creek (Lot 13, Con XIV) MIN. COLL. #1	st,serp,mb, gn,wil			ODM MAPS: 1957b, 52a OGS MAP: P.2566 GSC MAP: 770 OGS OFR 5425 pp.189,292 GSC Memoir 6 pp.212,213,216,391 Memoir 74 pp.101,237 MP 8 p.56 Bosiak (1963) p.26 (1968) Dec. #82 June #58 Leach (1973) p.26 Peterson (1978) #24 Mineral Collecting Sites (1985)
D	Buller (Lot 16, Con IV)	st,mb			OGS MAP: P.2952 OGS OFR 5601 p.128

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
E	Denna Lake (Lot 7, Con X)	mo	MDIR # S01086	MRC 7 p.35	ODM MAP: 52a OGS MAP: P.2699 ODM AR Vol. 26, p.302 GSC Memoir 74 p.160 DEMR/CANMET #93 p.40 Goodwin (1929)
F	Hamilton Mine No. 2 (Lundberg) (Lot 23, Con V)	Mo,U,Nb, Th,mag,wed	SMDR # 00206 ——— MDIR # S01084	MRC 7 p.28	ODM MAP: 52a OGS MAP: 2952 ODM AR Vol. 13, Pt. 2, p.57 AR Vol. 52, Pt. 2, p.66 OGS MP 70 p.427 OFR 5601 p.115 GSC Memoir 6 Paper 80-18 p.403 DEMR/CANMET #592 p.72 Goodwin (1929) LUTTERWORTH TWP. ASSESS. FILE #1
G	Hogan (Lot 11, Con VIII)	U,Th,mag, gf,all		MRC 4 p.24	ODM MAP: 1957b GSC Memoir 74 p.9 Econ. Geol. Series #16 pp.146, 266 Paper 80-18 p.376

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
H_1 H_2	Hopkins (Lots 7,8, Con II)	mo	MDIR # S01085	MRC 7 p.35	ODM MAPS: 52a, 1957b, 99G OGS MAP: P.2699 ODM AR Vol. 26, p.302 AR Vol. 52, Pt. 2, p.66 OGS MP 70 p.246 MP 119 pp.75-81 DEMR/CANMET #592 p.72 Goodwin (1929) Mineral Resources Div., Dept. Energy, Mines and Resources #506321
I	Jorex (Lot 22, Con III)	U,Th			ODM MAP: 1957b LUTTERWORTH TWP. ASSESS. FILE #4
J	Lundberg (Lot 22, Con V)	U,Th,mag	SMDR # 00206 MDIR # S01084		OGS MAP: P.2952 GSC Memoir 74 p.160 DEMR/CANMET #592 p.72 LUTTERWORTH TWP. ASSESS. FILE #1
K	Lundberg (Lots 22,23, Con V)	mo		MRC 7 pp.28-29	OGS MAP: P.2952 OGS OFR 5601 p.115 LUTTERWORTH TWP. ASSESS. FILE #1

LUTTER/NORTH TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L	Miners Bay (Lot 16, Con VII) MIN. COLL. #2	mo			OGS MAP: P.2699 ODM AR Vol. 13, Pt. 2, p.57 GSC Memoir 6 p.31 Mineral Collecting Sites (1985)
M	Otter Lake (Lot 20, Con V)	mb,py,po, gf			OGS MAPS: P.2952, P.2566 ODM AR Vol. 13, Pt. 2, p.57 OGS OFR 5601 pp.126,127 OFR 5425 p.189 GSC Memoir 6 p.391
N	Paxton Mine (Lot 5, Con VI) MIN. COLL. #3	Fe,scap	SMDR # 01032	MRC 11 p.147	ODM MAP: 52a OGS MAPS: P.2699, P.2566 ODM AR Vol. 13, Pt. 2, pp.56,57 AR Vol. 52, Pt. 2, p.45 OGS OFR 5425 p.254 GSC MR 39 pp.63,65,66 Memoir 6 p.212 Paper 80-18 Bull. 45 p.46 Memoir 74 pp.9,17,18,149,171, 235 Bosiak (1963) p.37 Kennedy (1984) Personal Communication Ledyard (1891) p.31 Mineral Collecting Sites (1985)

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
O	Round Lake (Lot 18, Con VI)	Pb			OGS MAP: P.2952 OGS OFR 5601 p.123
P	Sam's Lake (Lot 19, Con V)	gf,st,mb			OGS MAPS: P.2952, P.2566 ODM AR Vol. 13, Pt. 2, p.57 OGS OFR 5601 pp.126,128 OFR 5425 p.183 GSC AR Vol. 6 p.8J Memoir 6 p.391 DEMR/CANMET #592 p.73
Q	Sludge Lake (Lot 21, Con VI)	py,po,gf			OGS MAP: P.2952 OGS OFR 5601 p.127
R	South Beaver Lake (Lot 22, Con IV)	mag,U,Th			OGS MAP: P.2952
S	Tett (Lot 12, Cons III,IV) MIN. COLL. #4	cor,fel,per	MDIR # S01078		ODM MAP: 52a OGS MAP: P.2699 ODM AR Vol. 52, Pt. 2, p.22 OGS MP 119 pp.75-81 GSC MR 39 pp.67,68 SP 49-5 p.745 Paper 80-18 p.120

GDIF FORM NO. 1

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
S	Tett (cont'd)				Memoir 5 p.180 Memoir 57 p.180 Kennedy (1984) Personal Communication Peterson (1978) #27 Mineral Collecting Sites (1985)
T	(Lot 26, Con I)	dol			OGS MAP: P.2952 OGS OFR 5601 p.129
U	(Lots 7,8, Con II) MIN. COLL. #5	gnes,qv			ODM MAPS: 52a, 1957b OGS MAP: P.2566 OGS OFR 5425 GSC Econ. Geol. Report #20 p.143 Mineral Collecting Sites (1985)
V	(Lot 10, Con III)	mo			OGS MAP: P.2699
W	(Lot 15, Con IV)	gf			OGS MAP: P.2952 ODM AR Vol. 13, Pt. 2, p.57 GSC AR Vol. 6, p.8J Memoir 74 pp.9,101,237

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
X	(Lot 16, Con IV)	Zn			OGS MAP: P.2952 OGS OFR 5601 p.121
Y	(Lot 19, Cons IV,V)	mb,lst			ODM MAPS: 52a, 1957b OGS MAP: P.2566 GSC MAP: 770 OGS OFR 5425 p.189 GSC Memoir 6 p.391
Z	(Lot 15(N), Con V)	Zn			OGS MAP: P.2952 OGS OFR 5601 p.122
AA	(Lot 15(S), Con V)	Cu			OGS MAP: P.2952 OGS OFR 5601 p.122
BB	(Lot 18, Con V)	mb,Zn			LUTTERWORTH TWP. ASSESS. FILE #7
CC	(Lot 27, Con V) MIN. COLL. #6	stgr,gnes, all,py			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
DD	(Lot 13, Con VI)	As,po			OGS MAP: P.2952 OGS OFR 5601 p.123
EE	(Lot 16, Con VI)	gf			OGS MAP: P.2952 OGS OFR 5601 pp.125,127
FF	(Lot 15, Con VII)	Cu,Co,Ni,Zn			OGS MAP: P.2952 OGS OFR 5601 pp.119,120,123
GG	(Lots 15,16, Con VII) MIN. COLL. #7	lst,ba,fel, chon,ap,zr			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
HH	(Lot 16, Con VII) MIN. COLL. #8	pyx,calc,q, serp,ti			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
II	(Lot 16, Con VII) MIN. COLL. #9	lst,stgr, calc,amph, gt,mi,py,mag scap			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
JJ	(Lot 17, Con VII) MIN. COLL. #10	flbo,chon, bi,trem,ap, serp,fl,zr, py,mag,dp			GSC Paper 80-18 p.144 Paper 77-1A p.337 Mineral Collecting Sites (1985)
KK	(Lot 17, Con VII) MIN. COLL. #11	lst,chon,ap, cpx,camph, fl,zr,serp, mi,py,mag, pyx,stgr			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
LL	(Lots 20,21, Con VII) MIN. COLL. #12	lst,scap, camph,serp, ap,mi,py,chl			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
MM	(Lot 14, Con VIII) MIN. COLL. #13	lst,ba,fel			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
NN	(Lot 25, Con VII)	gnes			ODM MAP: 52a OGS MAP: P.2566

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
OO	(Lot 11, Con IX) MIN. COLL. #14	flbo,chon, ap,fl,zr,ep, per,tour, scap			GSC MR 39 pp.67,68 Paper 80-18 p.144 Mineral Collecting Sites (1985)
PP	(Lot 12, Con IX)	Zn,py			OGS MAP: P.2952 OFR 5601 pp.119,120,124
QQ	(Lot 13, Con IX)	Zn			OGS MAP: P.2952
RR	(Lot 14, Con IX)	Zn			OGS MAP: P.2952
SS	(Lot 10, Con X) MIN. COLL. #15	lst,mi,py, calc,camph, ti,cpx,serp			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
TT	(Lot 5, Con XII) MIN. COLL. #16	lst,calc,q, serp,cpx,mi			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)

GDIF FORM NO. 1

MINERAL OCCURRENCES			Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
Map Ref. Letter	Name(s)	Mineralization			
UU	(Lot 7, Con XII) MIN. COLL. #17	camph,lst, scap,ti,mi			GSC MR 39 pp.67,68 Mineral Collecting Sites (1985)
VV	(Lots 13,14, Con XIV) MIN. COLL. #18	wil			ODM MAP: 52a OGS MAP: P.2566 GSC MAP: 770 OGS OFR 5425 p.292 GSC Memoir 6 p.216 Paper 80-18 p.404 MP 8 p.56 Mineral Collecting Sites (1985)

GDIF FORM NO. 1

LUTEBOROUGH TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
COMPANY/AUTHOR (file number)																				
1	Lundberg Explorations Ltd. (B.T. Wilson)	55									55									
2	Harold Wessell (F. Arbuckle)			57	57 56															
3	St. Joseph Explorations Ltd. (J.L. Wright)											76	76							
4	Jorex Ltd. (N.K. Fiset)										78									
5	St. Joseph Explorations Ltd. (J.L. Wright)	76													76					

GDIF FORM NO. 2

16 LUTESWORTH TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done;e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
6	St. Joseph Explorations Ltd. (J.L. Wright)	81										81	81							
7	Northgate Exploration Ltd. (Francis T. Manns)	85	85																	

GDIF FORM NO. 2

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Length of Overburden	Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Harold Wessell	1	Oct/56		-45 NW		32'	quartz,feldspar, magnetite	
1	"	2	Oct/56 and May/57		-50 SE		26'	quartz,feldspar, magnetite	
1	"	3	May/57		-40 SE		27'	quartz,feldspar, magnetite,zircon	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
1	Lundberg Explorations Ltd. (Hans Lundberg)	Radiation Survey		east-west and (north-west) - (south-east) grid patterns	1/4 mi.
4	Jorex Ltd.	Radiometric	150'	N 120 E	1/8 mi.

GDIF FORM NO. 4

LUTTERWORTH TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		
7	Soil Sampling Survey	Lead - Zinc	Northgate Exploration Ltd.	LUTTERWORTH TWP. ASSESS. FILE #7

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

HALIBURTON ECHO

Lost Silver Mine Rumoured in Miners Bay Area October 31, 1974

ODM GENERAL INDEX SEARCH

Words searched:

LUTTERWORTH TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	Lutterworth Tp., Haliburton Co.			
	iron ore, analysis	9		202
	boring for iron ore	10		52
	minerals, notes	13	2	57
	molybdenite mining	25	1	19
	rocks Grenville Series	13	2	56
2	Lutterworth Tp., Haliburton Co.			
	molybdenite	26		298
	molybdenite notes	26		302
4	Lutterworth Tp., Haliburton Co.			
	corundum	52	2	22
	iron mining	52	2	45
	molybdenite	52	2	66
7	Lutterworth Tp., Haliburton Co.			
	granite gneiss quarry	IMR 19		25
	marble occurrence	IMR 16		17,18
8	Lutterworth Tp., Haliburton Co.			
	iron	MRC 11		147
	molybdenum	MRC 7		28-29
	uranium	MRC 4		24
9	Lutterworth Tp., Haliburton Co.			
	galena	MP 70		162
	molybdenite	MP 70		246
	plagioclase	MP 70		283

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

LUTTERWORTH TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
9	Lutterworth Tp., Haliburton Co. (cont'd)			
	weddellite	MP 70		427
MP 77 '78-'86 Sup.	Lutterworth Tp., Haliburton Co. OFR 5601 P-02699 PRECAM			

SELECTED REFERENCES

GEOLOGICAL MAPS WITHOUT REPORTS

Author	Date	Title	Reference	Map Scales and/or Report Pages
Easton, R.M. and Bartlett, J.R.	1984	Precambrian Geology, Howland Area S.E., Haliburton, Peterborough and Victoria Counties, Ontario	OGS MAP P.2699	1:15,830
Easton, R.M., Van Kranendonk, M. and Sanderson, D.	1985	Precambrian Geology of the Digby - Lutterworth Area: Haliburton and Victoria Counties; Geological Series Preliminary Maps	OGS MAPS P.2951, P.2952	1:15,840
Finamore, P.F. and Bajc, A.F.	1983	Quaternary Geology of the Fenelon Falls Area: Southern Ontario Preliminary Map	OGS MAP P.2596	1:50,000
Freeman, E.B.	1979	Geological Highway Map, Southern Ontario	OGS MAP 2441	1:800,000
Hewitt, D.F. and Satterly, J.	1957	Haliburton - Bancroft Area, Province of Ontario (Revised 1972)	ODM MAP 1957b	1" = 2 mi.
Lumbers, S.B.	1976	Ontario Geological Map, Southern Sheet	OGS MAP 2392	1" = 16 mi.
Ontario Department of Mines	1974	Ontario Mineral Map	ODM MAP 2310	1" = 25 mi.
Ontario Geological Survey	1985	Ontario Mineral Map	OGS MAP 2472	1:584,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title GEOLOGICAL REPORTS WITH MAPS	Reference	Map Scales and/or Report Pages
Adams, F.D. and Barlow, A.E.	1910	Geology of the Haliburton and Bancroft Area, Ontario	GSC Memoir 6 GSC MAP 770	419 p. 1" = 2 mi.
Barlow, A.E.	1915	Corundum its Occurrence, Distribution Exploitation and Canada Uses	GSC Memoir 57 GSC MAP 1023	
Eardley-Wilmot, V.L.	1925	Molybdenum: Metallurgy and Uses and the Occurrence, Mining and Concentration of its Ores	DEMR/CANMET #592 + MAP 595	292 p. 1" = 35 mi.
Easton, R.M.	1986	Geology of the Digby - Lutterworth Area, Haliburton and Victoria Counties	OGS OFR 5601 OGS MAP 2952	270 p. 1:15,840
"	1987	Geology of the Howland Area: Haliburton, Peterborough and Victoria Counties	OGS OFR 5639 OGS MAP P.2699	187 p.
Martin, W.	1983	Industrial Minerals of the Algonquin Region	OGS OFR 5425 OGS MAP 2566	1:125,000
Satterly, J.	1943	Mineral Occurrences in the Haliburton Area	ODM AR Vol. 52 Pt. 2 ODM MAP 52a	106 p. 1" = 2 mi.

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Uglow, W.L.	1916	Lead and Zinc Deposits in Ontario and in Eastern Canada	ODM AR Vol. 25 Pt. 2 ODM MAPS 25b,25c	56 p. 1:50,000
		GEOLOGICAL REPORTS WITHOUT MAPS		
Bosiak, C.P.	1963	Rocks and Minerals at Bancroft and Madoc, Ontario	Local Publication	p.26
"	1968	Rocks and Minerals at Bancroft and Madoc, Ontario	Local Publication	June #58 Dec. #82
Easton, R.M.	1983	Howland Area: Haliburton, Peterborough and Victoria Counties; in Summary of Field Work	OGS MP 116	pp.74-74
Easton, R.M., Heaman, L.M., McNutt, R.H., Shaw, D.M. and Easton, M.G.	1984	Geology of the Minden and Chandos Township Areas, Central Metasedimentary Belt, Ontario; Friends of the Grenville Fieldtrip Guidebook, Brampton	Bancroft Office	54 p.
Easton, R.M. and Van Kranendonk, K.M.	1984	Digby - Lutterworth Area: Haliburton and Victoria Counties; in Summary of Field Work by the Ontario Geological Survey	OGS MP 119	pp.75-81
Goodwin, W.L.	1929	Geology: Minerals of Ontario, Industrial Educational Publishing Co. Gardenvale, Quebec	Photocopied in Bancroft Office	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Gordon, J.B., Rybak, U.C. and Robertson, J.A.	1981	Uranium and Thorium Deposits of Southern Ontario	OGS OFR 5311	p.189
Hewitt, D.F.	1964	Building Stones of Ontario, Marble	ODM IMR 16 Pt. 3	pp.17,18
"	1964	Building Stones of Ontario, Granite and Gneiss	ODM IMR 19 Pt. 5	p.25
"	1967	Uranium and Thorium Deposits of Southern Ontario	ODM MRC 4	p.24
Johnston, R.A.A.	1915	A List of Canadian Mineral Occurrences	GSC Memoir 74	pp.9,101,237
Johnston, F.J.	1968	Molybdenum Deposits of Ontario	ODM MRC 7	98 p.
Lang, A.H.	1952	Canadian Deposits of Uranium and Thorium	GSC Econ. Geol. Series No. 16	p.146
"	1962	Canadian Deposits of Uranium and Thorium, Second Edition	GSC Econ. Geol. Series No. 16	p.266
Leach, H.	1973	200 Mineral Locations in Southern Ontario, Kingston, Second Edition	Bancroft Files	p.26

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Ledyard, T.D.	1891	Some Ontario Magnetites	SP 1891-2	p.31
Meyn, H.D.	1985	Report of Activities 1984, Regional and Resident Geologists	OGS MP 122	pp.247-253
Meyn, H.D., et at	1985	Inventory of Rock and Mineral Collecting Sites in the Bancroft Area, Vol. 2	Bancroft Files	
Miller, W.G.	1904	Limestones of Ontario	ODM AR Vol. 13 Pt. 2	pp.56,57
Ontario Geological Survey	1986	Ontario Mineral Deposit Inventory	OGS OFR 5470 microfiche	
Parsons, A.L.	1917	Molybdenite Deposits of Ontario	ODM AR Vol. 26	pp.298,302
Peterson, H.	1978	Peterson Guide to Mineral Collecting, Bancroft Area, Second Edition		Site #24, 27

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Sabina, A.P.	1965	Rock and Mineral Collecting in Canada, Vol. 2 Ontario and Quebec	GSC MP 8	p.56
"	1977	New Occurrences of Minerals in Parts of Ontario	GSC Paper 77-1A	p.337
"	1986	Rocks and Minerals for the Collector: Bancroft - Parry Sound Area and Southern Ontario	GSC MR 39	pp.63,67
Satterly, J.	1977	A Catalogue of the Ontario Localities represented by the Mineral Collection of the Royal Ontario Museum	OGS MP 70	pp.162,246, 283,427
Shklanka, R.	1968	Iron Deposits of Ontario	ODM MRC 11	p.147
Traill, R.J.	1983	Catalogue of Canadian Minerals - Revised 1980 (Replaces GSC Paper 69-45)	GSC Paper 80-18	649 p.
Vokes, F.M.	1963	Molybdenum Deposits of Canada	GSC Econ. Geol. Report No. 20	p.143
Walker, T.L.	1911	Molybdenum Ores of Canada	DEMR/CANMET #93	p.40

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		SURFICIAL, PLEISTOCENE AND TERRAIN ENGINEERING		
Bostock, H.S.	1969	Physiographic Regions of Canada	GSC MAP 1254A	1:5,000,000
Chapman, L.J.	1975	The Physiography of the Georgian Bay - Ottawa Valley Area of Southern Ontario	OGS GR 128 OGS MAP 2228	33 p. 1" = 4 mi.
Chapman, L.J. and Putnam, D.F.	1984	The Physiography of Southern Ontario, Third Edition	OGS Special Vol. #2 MAP P.2715	270 p. 1:600,000
		TOPOGRAPHIC MAP		
Department of Energy, Mines and Resources, Surveys and Mapping Branch	1980	Minden, Ontario 31D/15		1:50,000
		GEOCHEMICAL		
Hornbrook, E.H.W. and Lund, N.G.	1982	National Geochemical Reconnaissance Lake Sediment and Water Geochemical Survey, Southeastern Ontario	GSC OF 899 MAP 58-1982	233 p. 1:250,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOPHYSICAL		
Geological Survey of Canada	1952	Minden Victoria, Haliburton and Peterborough Counties, Ontario (Aeromagnetic Map)	GSC MAP 99G	1" = 1 mi.
"	1953	Gooderham Peterborough, Haliburton and Hastings Counties, Ontario (Aeromagnetic Map)	GSC MAP 146G	1" = 1 mi.
"	1978	Airborne Gamma-Ray Spectrometric Data, Lake Simcoe, Ontario (31D)	GSC MAP P.1766 Also listed as 35431G	1:250,000 1:250,000
"	1984	Preliminary Magnetic Anomaly Map, Ontario and Quebec (Residual Total Field)	GSC MAP NL-16/17-M	1:1,000,000
Ontario Department of Mines and Geological Survey of Canada	1972	Great Lakes - Ottawa River Sheet, Algoma, Sudbury, Timiskaming, Nipissing, and Manitoulin Districts and Southern Ontario (Aeromagnetic Compilation Map)	GSC MAP P.800	1" = 16 mi.

GDIF FORM NO. 9

SELECTED REFERENCES

MINERAL POTENTIAL MAPS

Author	Date	Title	Reference	Map Scales and/or Report Pages
Robertson, J.A., Bright, E.G., Gordon, J.B., Springer, J.S. and MacDonald, C.A.	1979	Uranium Mineral Potential Charts for parts of Southern Ontario, Compilation 1977 and 1978	OGS OFR 5260 + Charts A to I	1" = 2 mi.
Springer, J.	1976	Ontario Mineral Potential, Lake Simcoe Sheet, District of Muskoka, and Counties of Simcoe, York, Durham, Northumberland, Peterborough, Victoria, Haliburton, and Dufferin, Mineral Deposit Series	OGS MAP P.1506	1" = 4 mi.
Springer, J.S., Robertson, J.A. and Vos, M.A.	1982	Mineral Potential Map of Ontario, 1979, Southern Sheet + overlay	OGS OFR 5328	1" = 16 mi.

NOTES AND ADDENDA

LIST OF AERIAL PHOTOS PROVIDING

COVERAGE OF LUTTERWORTH TOWNSHIP

FLIGHT LINE NO.	PHOTO NO.
4432	83-86
4433	4-13 and 152-156
4434	131-140
4435	31-39 and 55-60
4436	48-59
4437	85-91
4438	39-41

ANSON

DIGBY

NOUMONS

78 50'00"

44 52'00"

78 44'00"

44 54'00"

Cooney L.

Sheldon Lake

Lutterworth Lake

Big Rob Dam

Little Rob

North Pigeon Lake

Lutterworth

Rob Cr.

Gull Lake

Deep Bay

Deep Bay

Kilcoo Camp

Chapel Pt.

Kilcoo Harbour

Lookout Pt.

Easter I.

Victoria I.

Long Lake

St Helena I.

North Morris I.

Denna Lake

Denna Cr.

Plewman Cr.

Plewman L.

Sugar Island

Lakeview I.

Alice I.

Harriet I.

South Morris I.

Miners Bay

Black Lake

Cosmir L.

North Beaver L.

Miners Bay

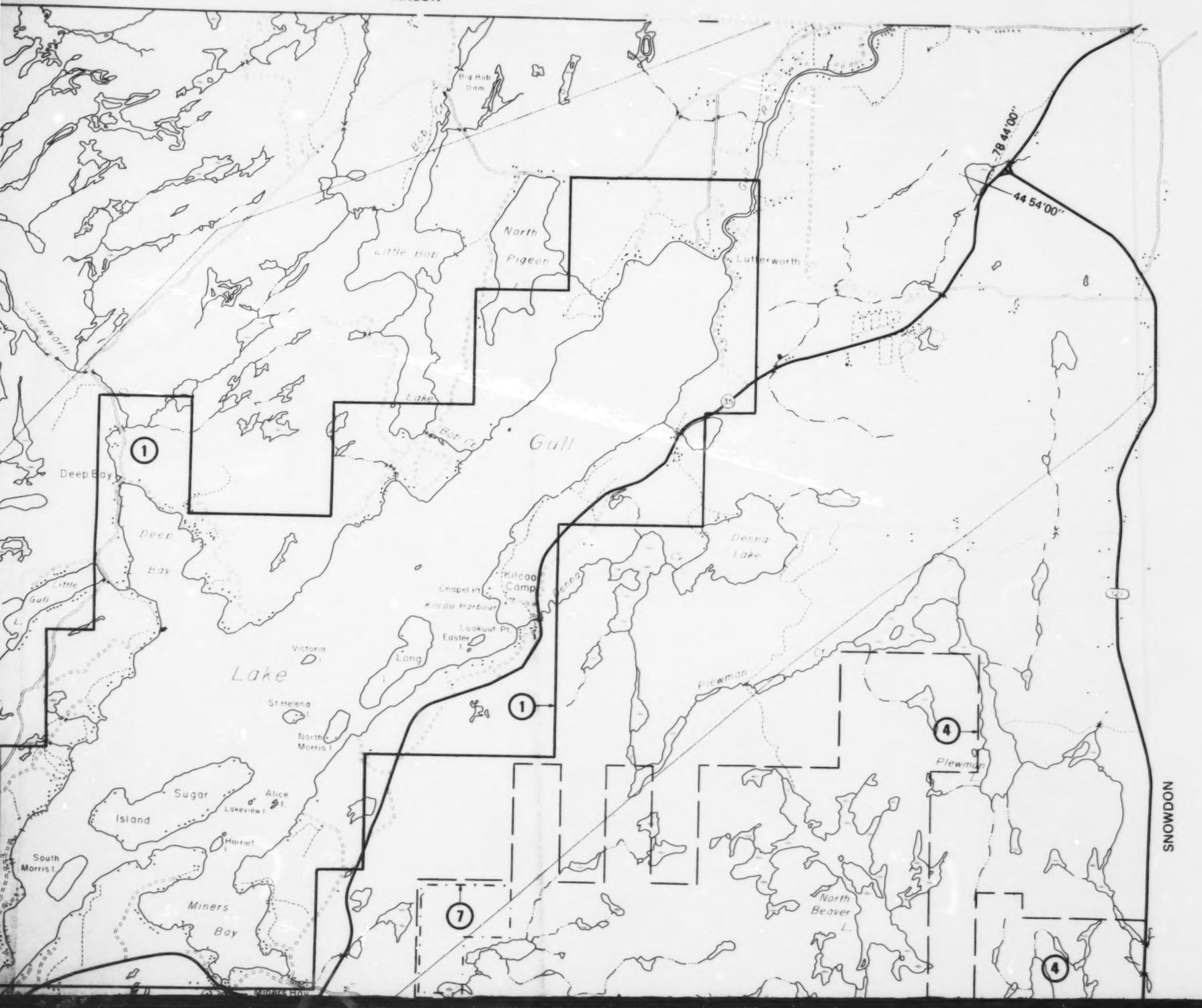
121

1

4

7

ANSON



Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 412

(Map 1 of 2)

LUTTERWORTH TOWNSHIP

HALIBURTON COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

DIGBY

LAXTON

SOMERVILLE

Black Lake

Casimir L.

North Morris L.

Sugar Island

Alice L.

Lakeview L.

Harriet L.

South Morris L.

Miners Bay

Moore Falls

Sludge L.

Bullgold L.

Miners

Moore Lake

Bullion L.

Plewman L.

North Beaver L.

Howlong Lake

South Beaver L.

Gull L.

Carter L.

Goodear L.

Lower Goodear L.

Corben L.

Davis Lake

44 46'00"

78 48'00"

78 41'00"

44 48'00"

2 LINES

2X

St Helena I.
North Morris I.
Sugar Island
Alice L.
Lakeview I.
Harriet I.
Miners Bay
Miners Bay
Salvagold L.
Miners
Butler
Burke
Corben L.
Goodoar L.
Lower Goodoar L.
Corben L.
Davis Lake
Prewman
North Beaver L.
Miners
Hawkins Lake
Pine Mtn.
SNOWDON
SOMERVILLE
78 41'00"
44 48'00"
2 LINES

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

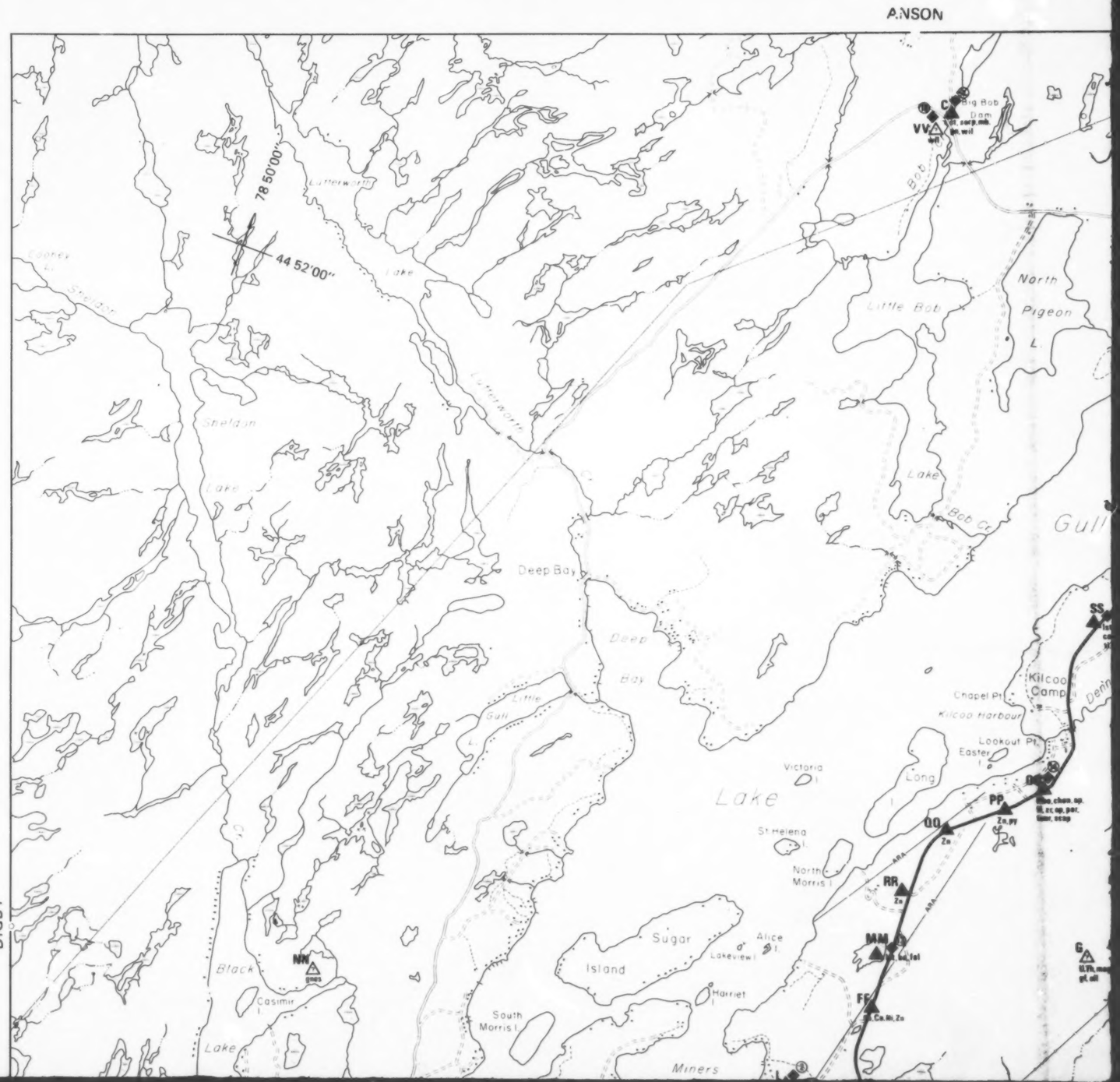
TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
  Location of anomaly along flight line
- Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM -
  Crone Em - 16)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly



ANSON

SNOWDON

78 44'00"

44 54'00"

Ministry of Northern Development and Mines

Ontario

Sean Conway, Minister of Mines

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 412

(Map 2 of 2)

LUTTERWORTH TOWNSHIP

HALIBURTON COUNTY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 64' — Mineral occurrence with shaft, depth given with reference letter, exact location uncertian

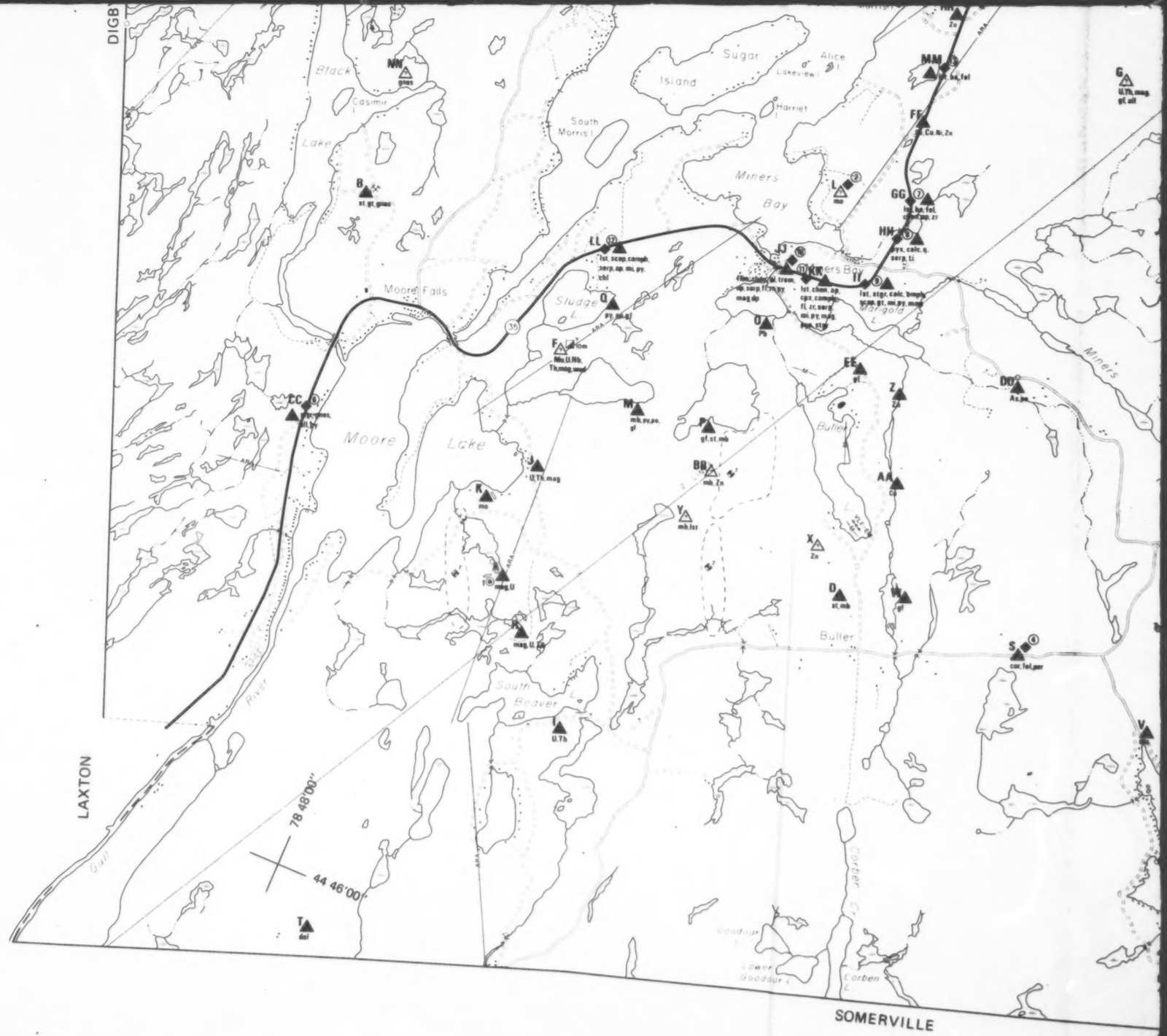
VLF - Vertical loop; HL - Horizontal loop
VLF - Very low freq.; Turam; JEM -
Crone Em - 16)

- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ■ Rock quarry
- ☐ Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



SNOWDON

Sugar Island

Alice Lakeview I.

Harriet I.

South Morris I.

Miners Bay

Plewman L.

North Beaver L.

Miners Bay

Moorgold L.

Miners

Howland Lake

Bullet L.

Buller

Davis Lake

Cotter Cr.

Goodsoar L.

Lower Goodsoar L.

Corben L.

78°41'00"

44°48'00"

SOMERVILLE

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter, exact location uncertain
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized float with reference letter
- Mineral occurrence in drillhole, with reference letter, and drillhole number
- Mineral collecting location with reference number

DRILLHOLES

- Location of single drillhole, with reference number
- Location of closely spaced group of drillholes, with reference number
- Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- Property with drillholes which have not been plotted on map, with reference number
- Reverse circulation drillhole; churn drilling, with reference number